



Central Valley Status Update

Getting to Construction

May 21, 2019

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Overarching Strategy

Central Valley 119 Miles

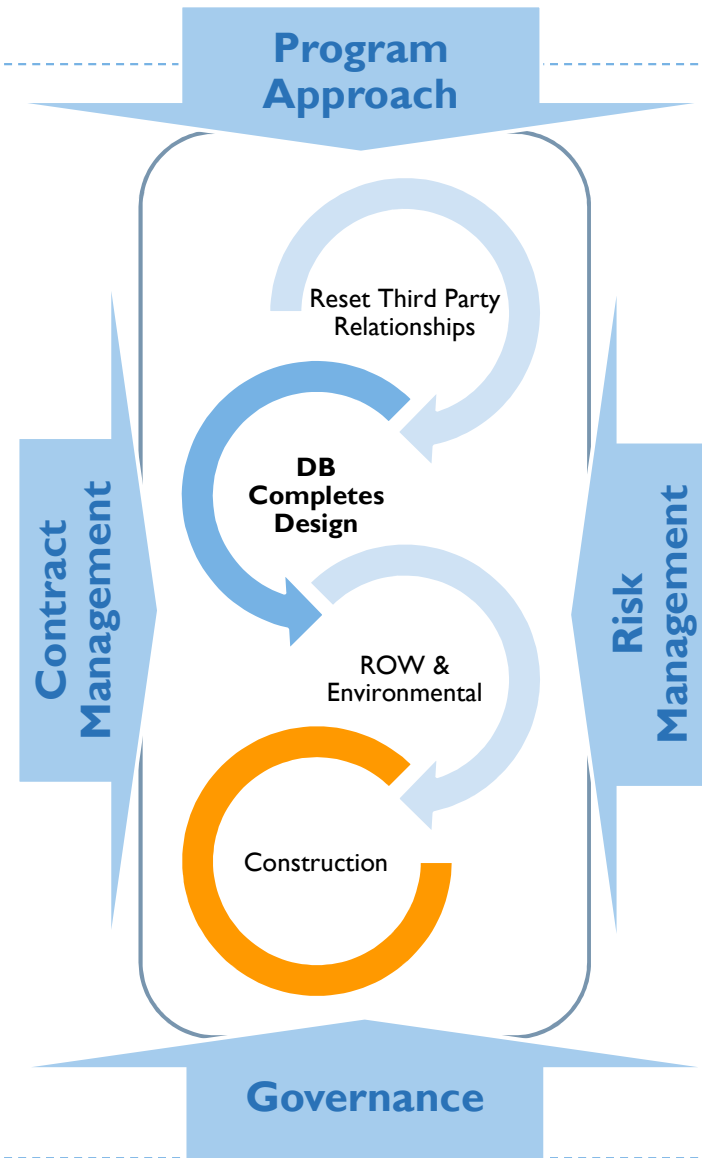
▶ **Third Parties: Reset Relationships**

- Define and finalize requirements & scope
- Actively engage in consultation and design reviews

▶ **Design Builder (DB) Completes Designs**

- Defines project footprint for ROW acquisition and environmental clearance
- Predecessor to construction

▶ **Right of Way (ROW) & Environmental**



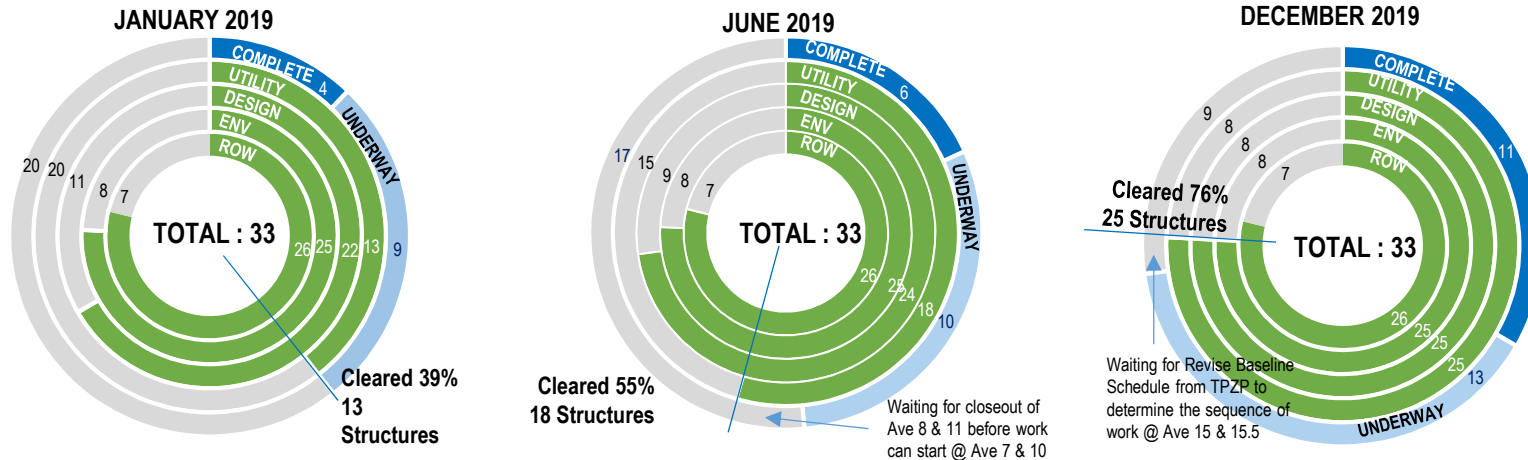
Getting To Construction Critical Actions

Construction Packages I - 4

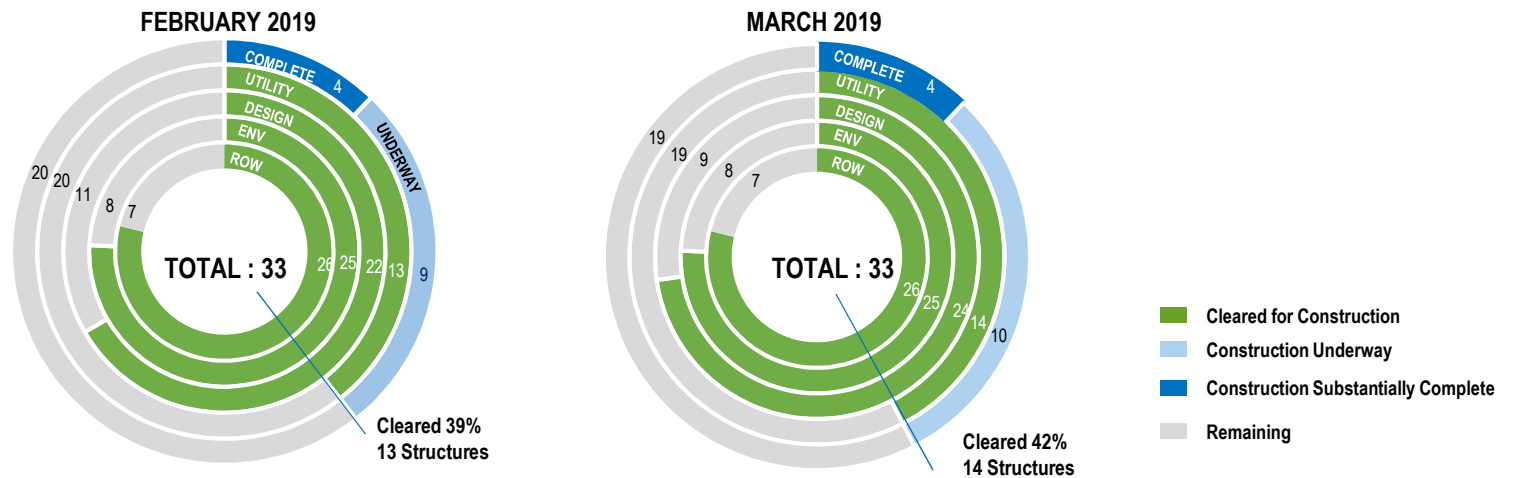
CP 1 Progress Update

Forecast vs. Actual - Structures

CONSTRUCTION CLEARANCE/ PROGRESS FORECAST – NUMBER OF STRUCTURES



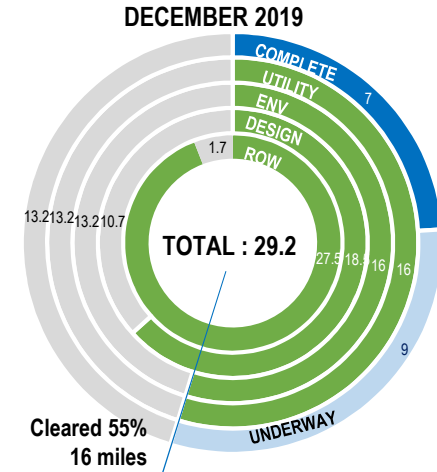
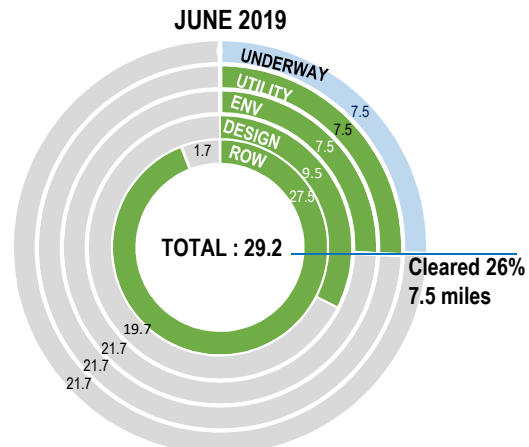
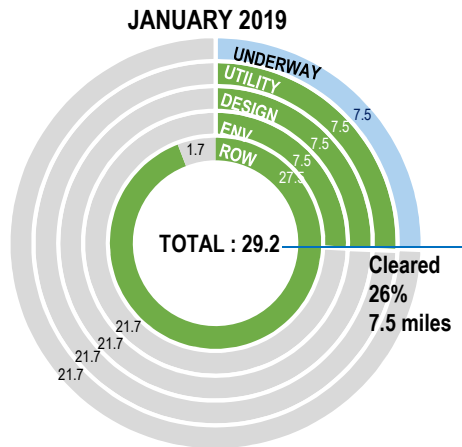
ACTUAL PROGRESS - NUMBER OF STRUCTURES



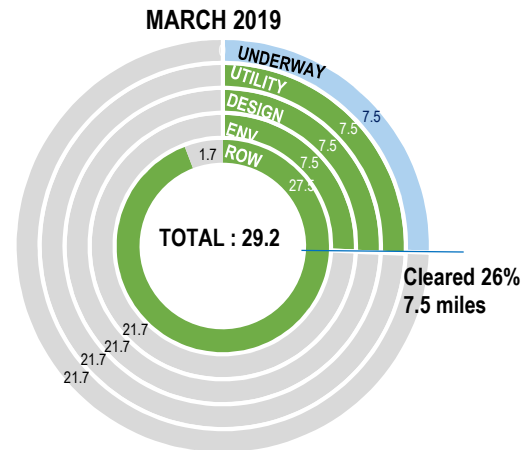
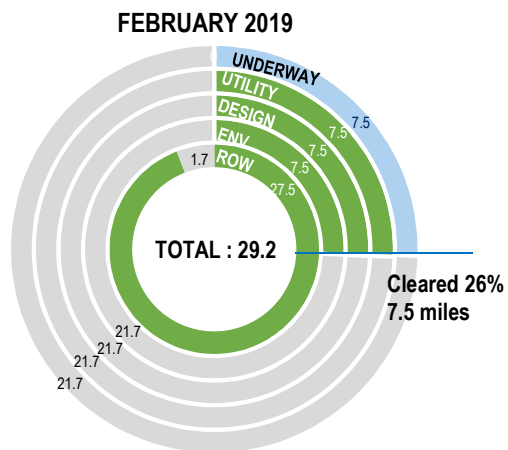
CP 1 Progress Update

Forecast vs. Actual - Guideway

CONSTRUCTION CLEARANCE/ PROGRESS FORECAST – MILES OF GUIDEWAY

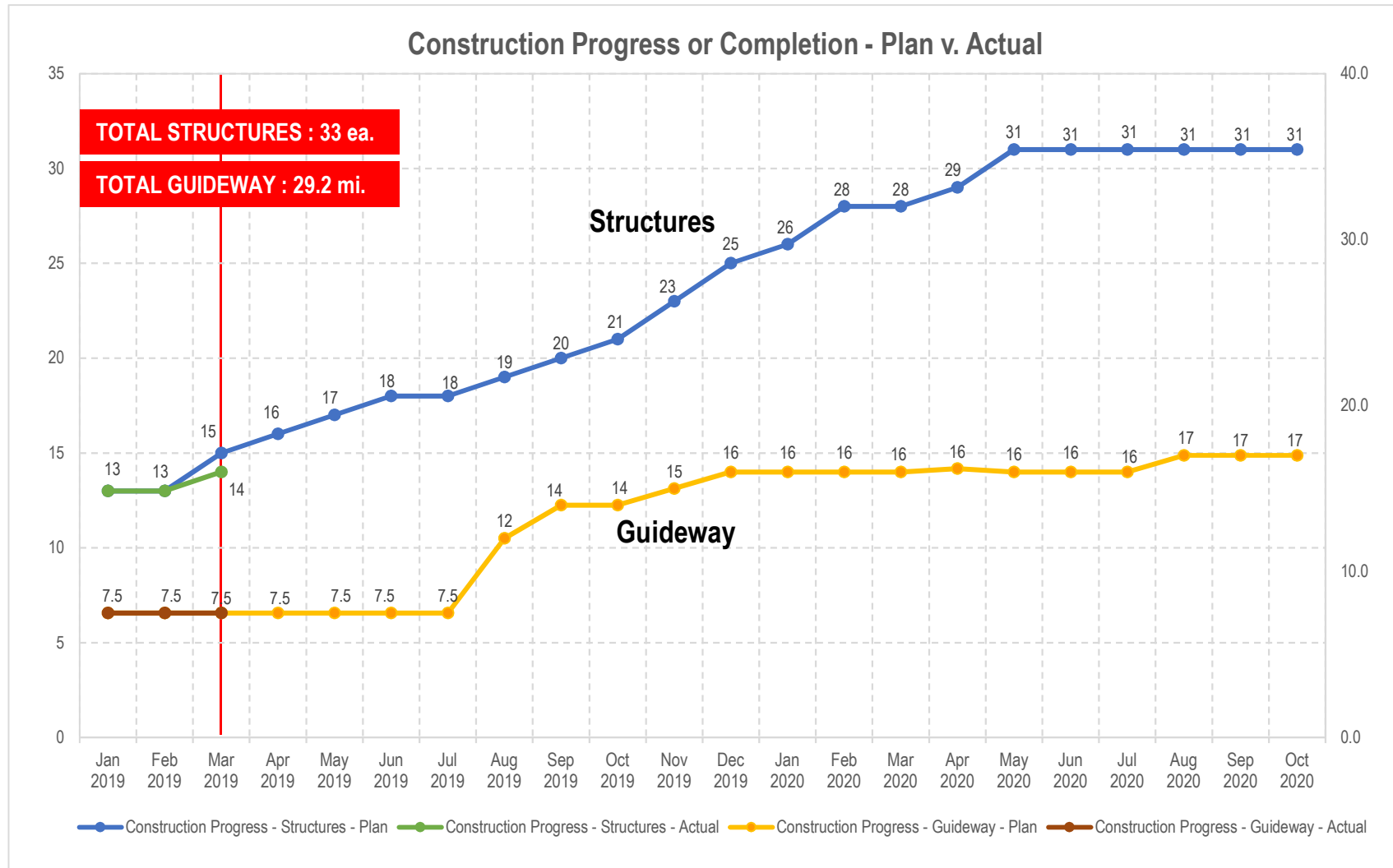


ACTUAL PROGRESS – MILES OF GUIDEWAY



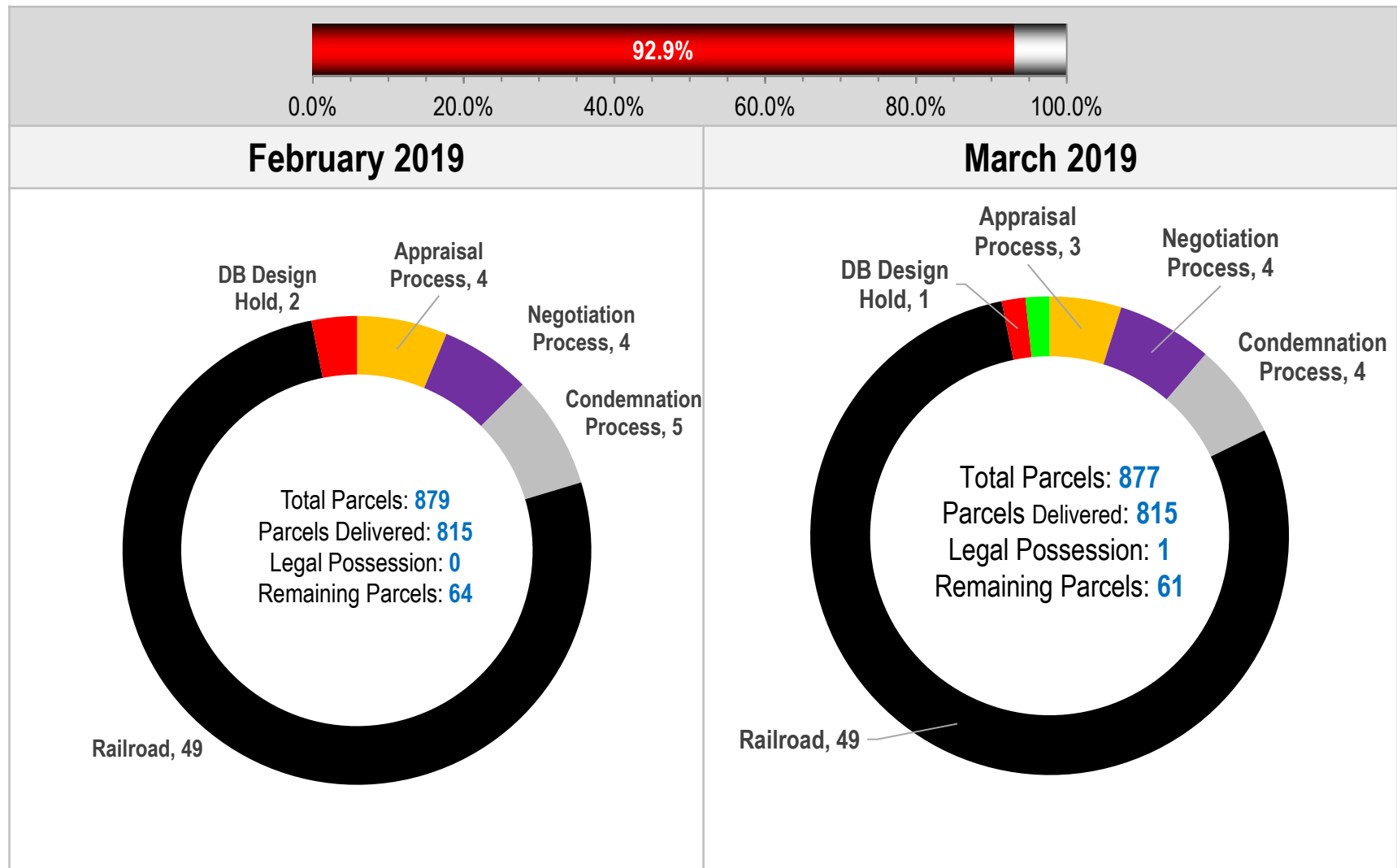
- Cleared for Construction
- Construction Underway
- Construction Substantially Complete
- Remaining

CP 1 Progress to Completion – Plan vs. Actual



CP 1 Progress Update

ROW Acquisition Status



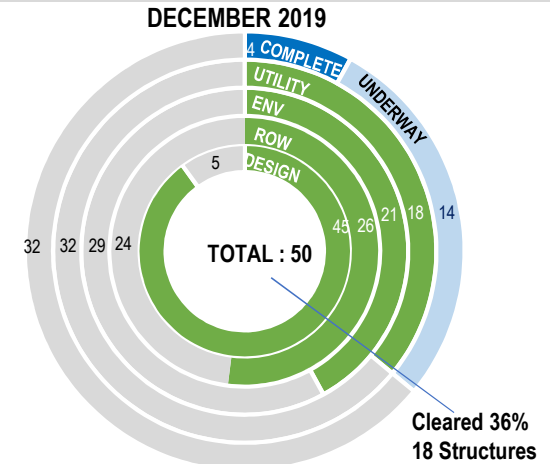
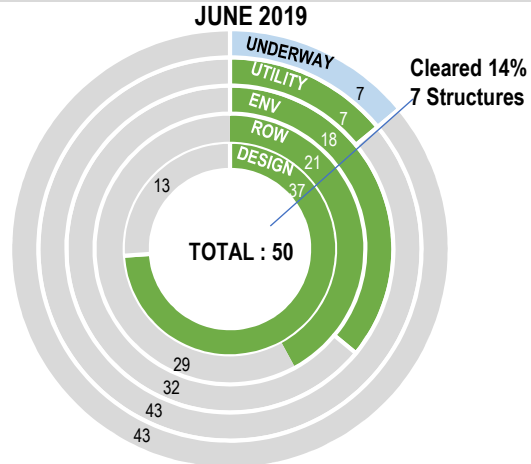
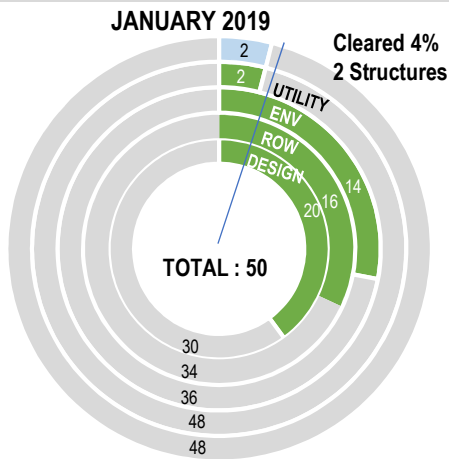
CP 1 Critical Actions – Getting to Construction

- ▶ Third Party - Resetting relationships
 - CDFW
 - Intrusion Protection Barrier (IPB) Re-Exam
 - Hairy Orcutt Grass Occupied Pools – pursuing agreement to commence construction prior to mitigation
 - PG&E – Finalizing design and access issues & complete 6-month shelf reviews
 - Irrigation Districts
 - Finalize construction and post-construction requirements
 - AT&T: Stagger cut-over and DB designed workarounds
 - UPRR Design Variances: Focus Team targeting to resolve quickly
- ▶ Commercial
 - Time Impact Analysis (TIA) to Improve baseline schedule
 - Intrusion Protection Barrier (IPB) System
 - Negotiation underway:
 - Mechanically Stabilized Earth (MSE) Walls
 - Northern Extension
 - Herndon Avenue
- ▶ Design - Engaging Team members to:
 - Resolve utility design and Rail Road variances
 - Finalize designs in cooperation with third-party requirements
- ▶ Utility Provisional Sums: Complete design & start construction
- ▶ ROW – working with DB to identify and acquisition DB requested additional ROW for utility relocations
- ▶ Weather – Less rain in the forecast will allow for more work.

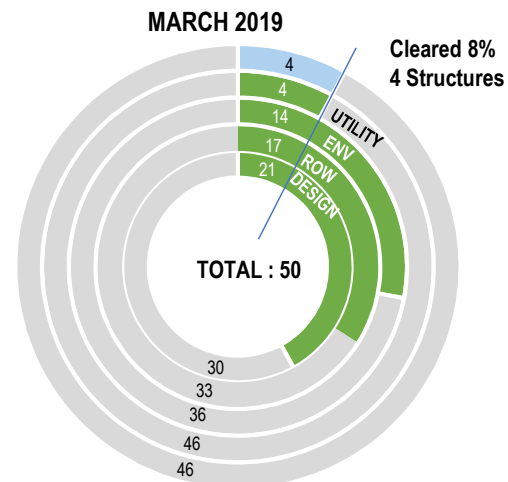
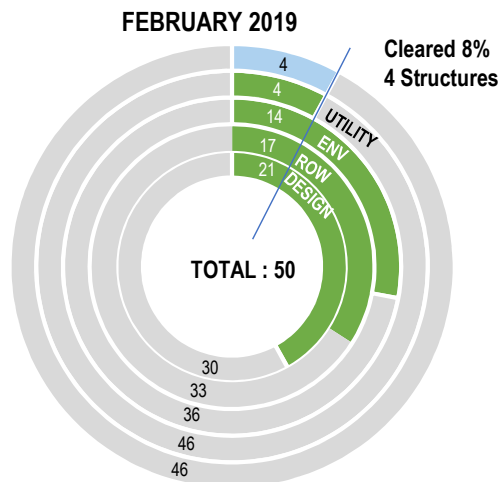
CP 2-3 Progress Update

Forecast vs. Actual - Structures

CONSTRUCTION CLEARANCE/ PROGRESS FORECAST – NUMBER OF STRUCTURES



ACTUAL PROGRESS - NUMBER OF STRUCTURES

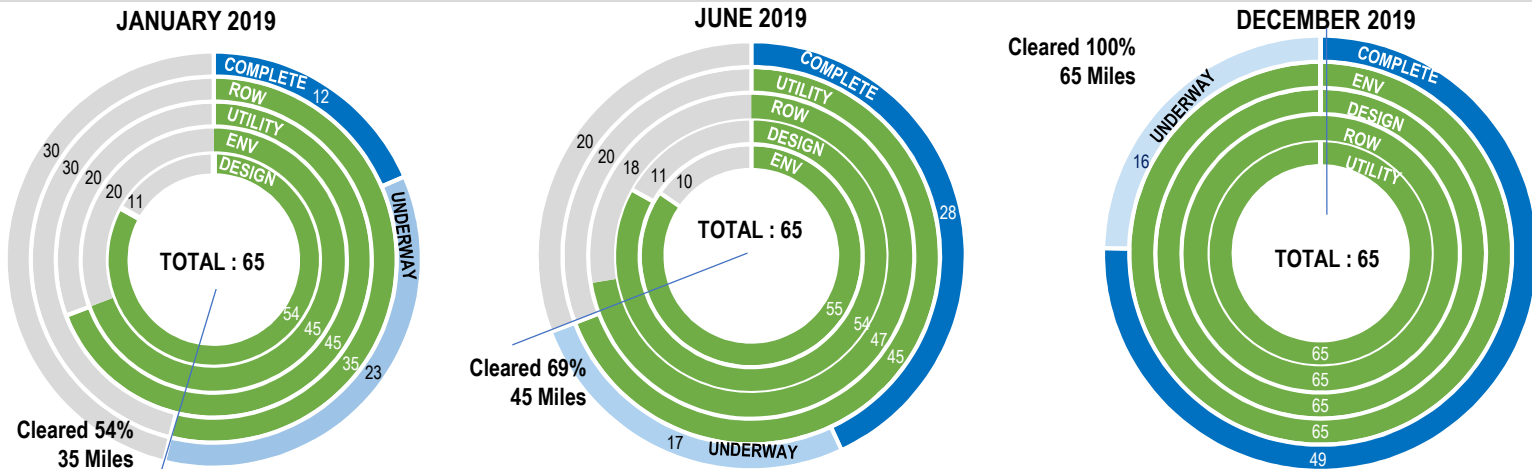


- Cleared for Construction
- Construction Underway
- Construction Substantially Complete
- Remaining

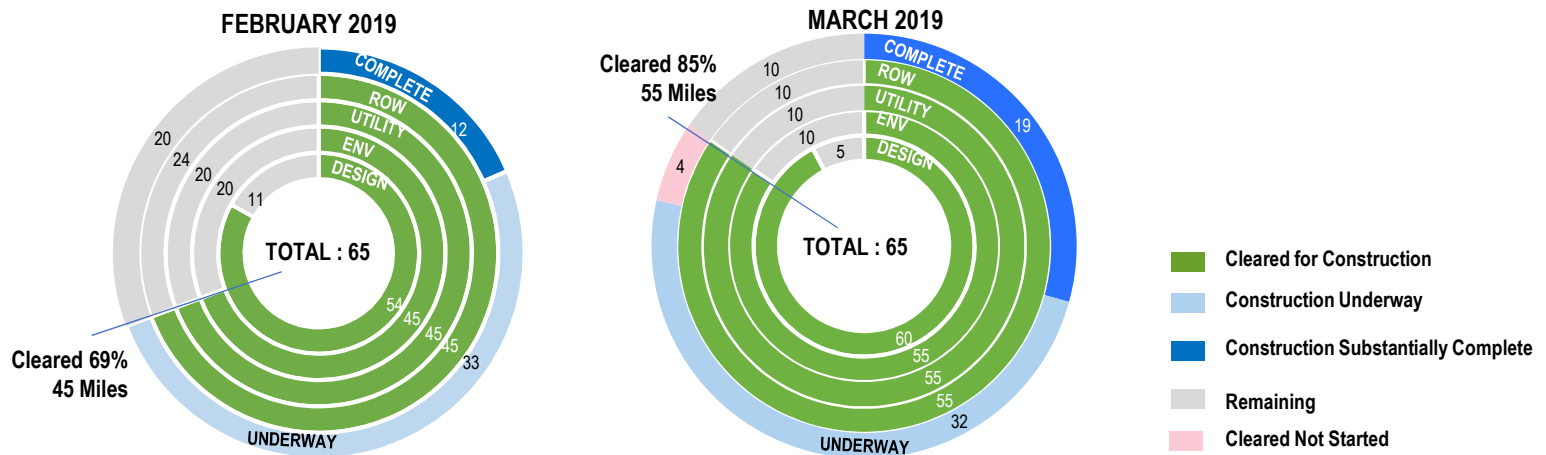
CP 2-3 Progress Update

Forecast vs. Actual - Guideway

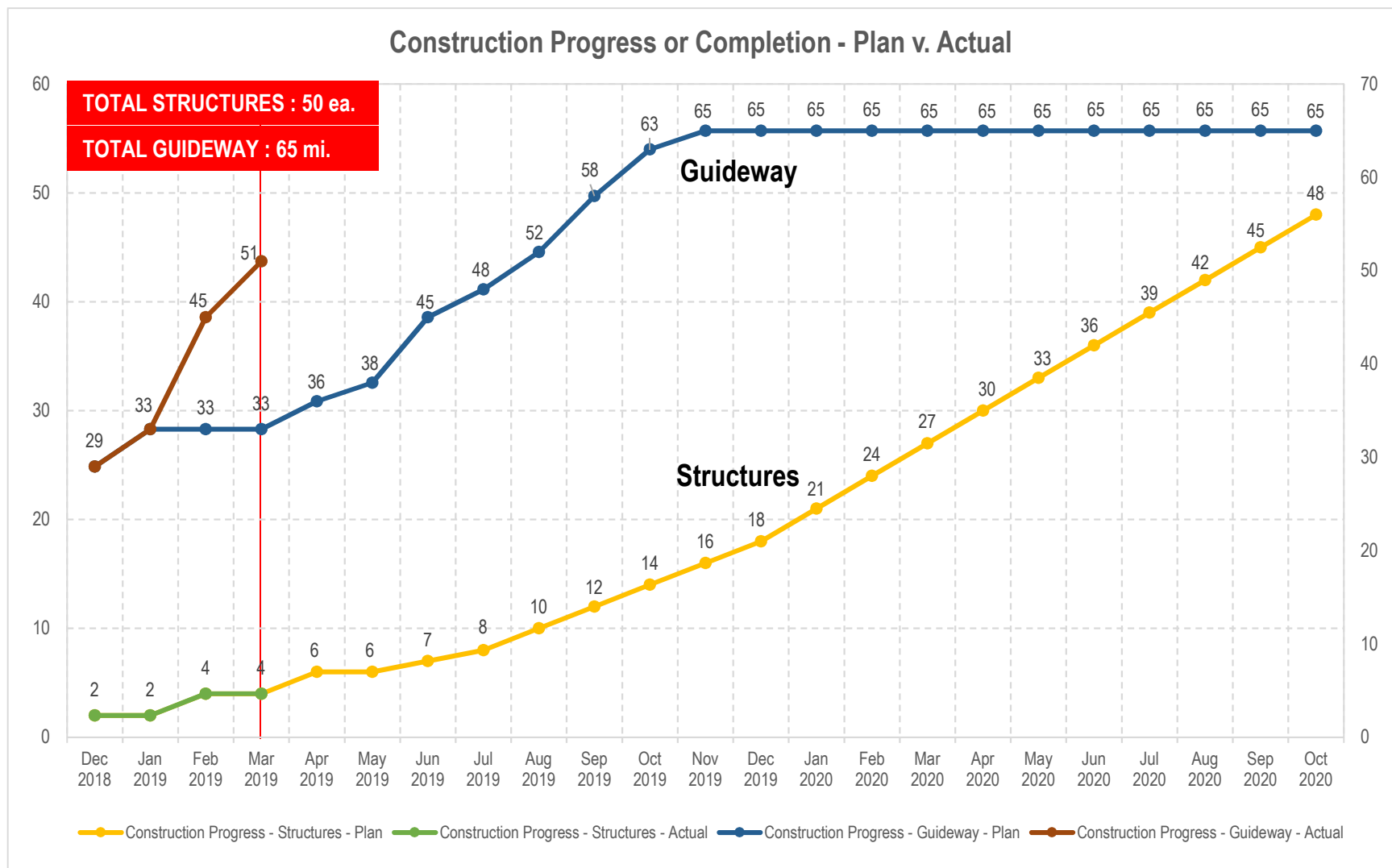
CONSTRUCTION CLEARANCE/ PROGRESS FORECAST – MILES OF GUIDEWAY



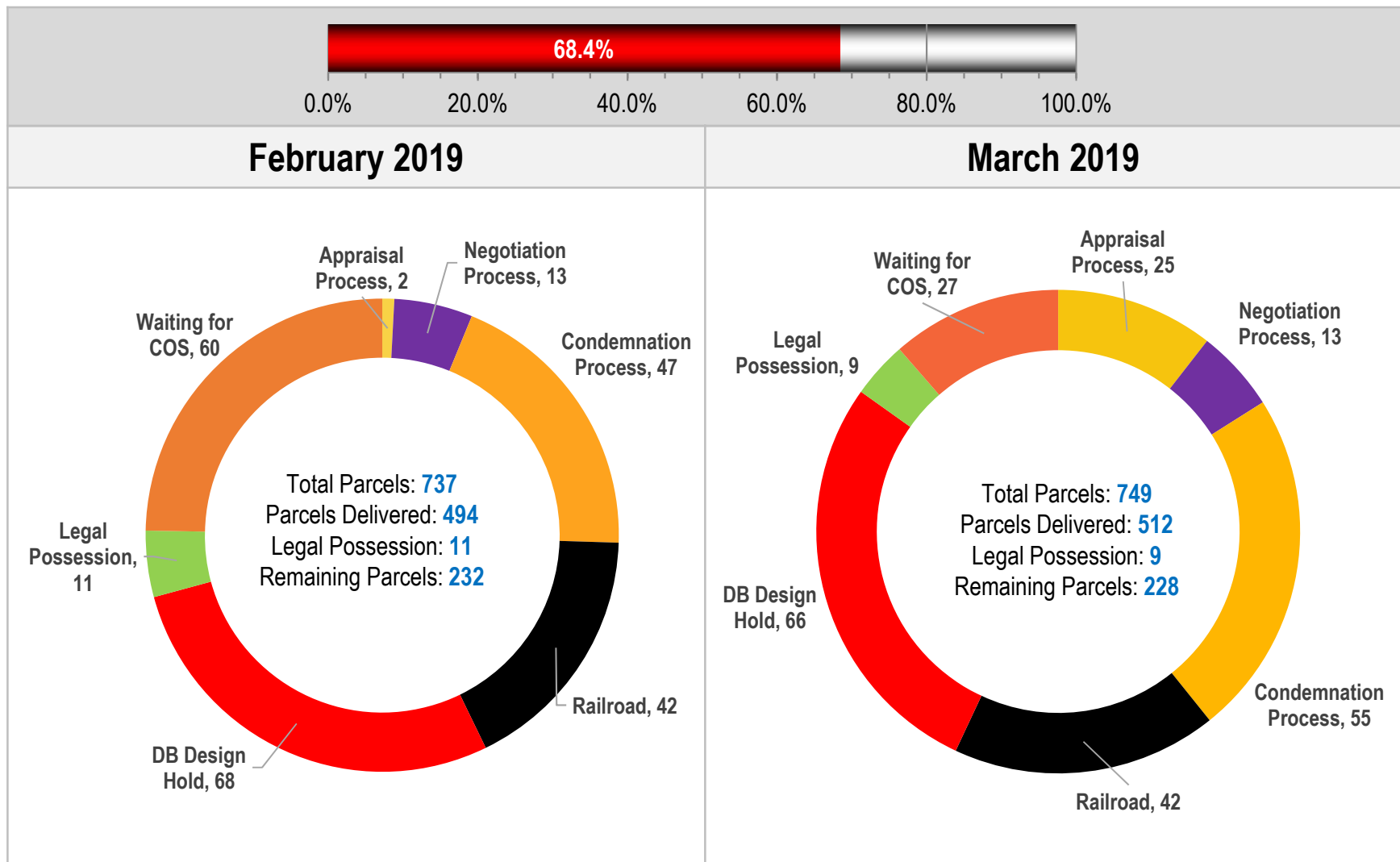
ACTUAL PROGRESS – MILES OF GUIDEWAY



CP 2-3 Progress to Completion – Plan vs. Actual



CP 2-3 Progress Update ROW Acquisition Status



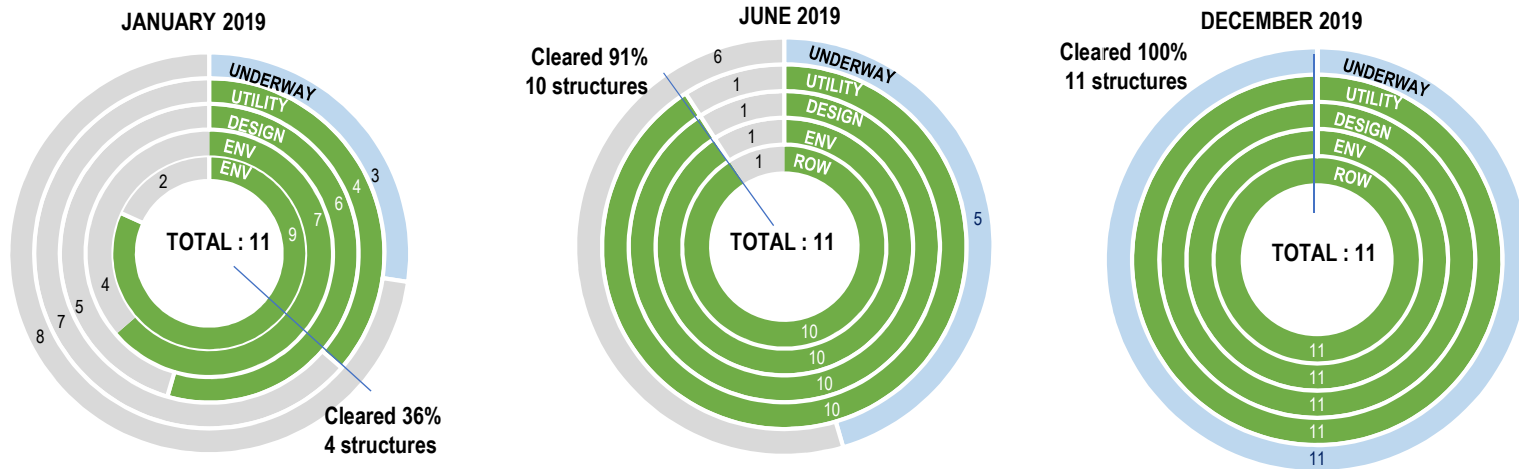
CP 2-3 Critical Actions – Getting to Construction

- ▶ Third Party - Resetting Relationships
 - Fresno County permit – CP Team leader and Regional Director meeting with Fresno County Director monthly to work through issues
 - Kings County
 - Irrigation Districts – execute agreements & approval of CDFW sub-notifications
 - Sempra – optimize design and construction schedules and finalize outgrants for Sempra relocated utilities
 - PG&E – reset design and access expectations, move approved packages to construction
 - CDFW
 - Multiple Incidental Take Permit (ITP) amendments being proposed to CDFW to align with DB's design
 - Trapping season has begun for San Joaquin Antelope squirrel
 - BNSF - agreements to be Executed
- ▶ Commercial - Project Change Orders
 - Time Impact Analysis (TIA)
 - Intrusion Protection Barrier (IPB) System
 - Mechanically Stabilized Earth (MSE) Walls
 - Deer Creek and Cross Creek Bridges
- ▶ Design - Form Focus Team to drive completing design in line with ROW and Environmental
- ▶ Utility Provisional Sums: Complete design & start construction
- ▶ ROW - Focus Team targeting 23 DB-identified critical parcels
 - Delivery dates linked to schedule meets or exceeds forecasted delivery date on majority of acquisitions
- ▶ Weather – Less rain in the forecast will allow for more work.

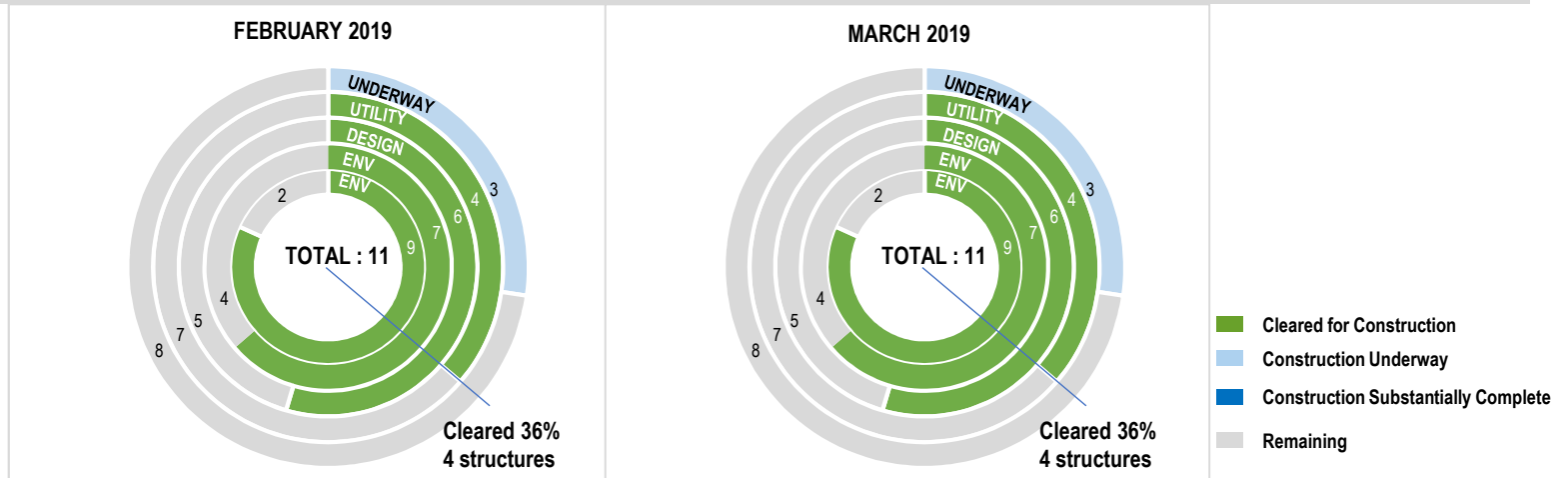
CP 4 Progress Update

Forecast vs. Actual - Structures

CONSTRUCTION CLEARANCE/ PROGRESS FORECAST – NUMBER OF STRUCTURES



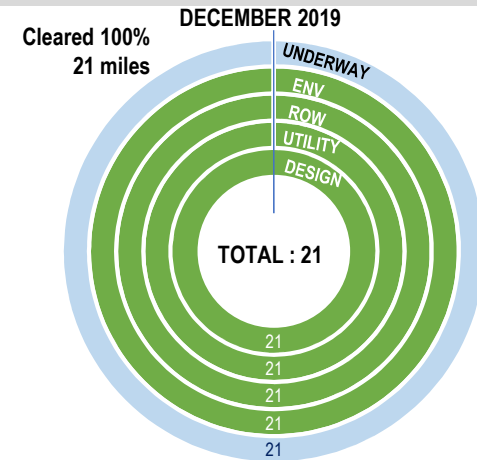
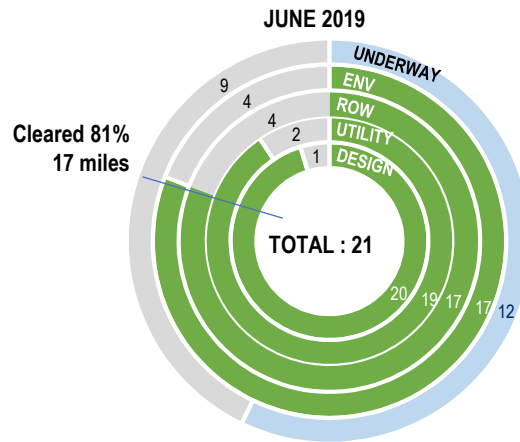
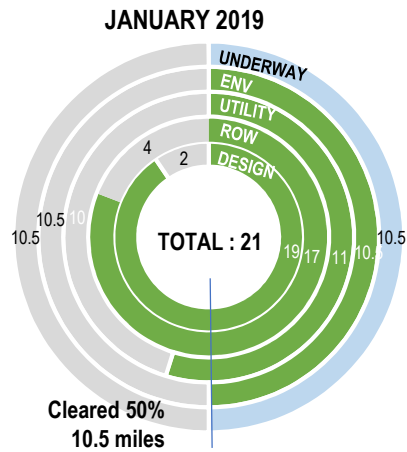
ACTUAL PROGRESS - NUMBER OF STRUCTURES



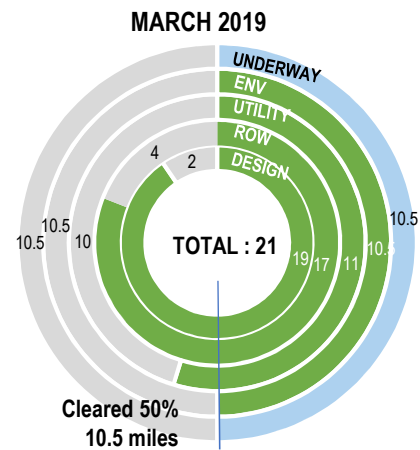
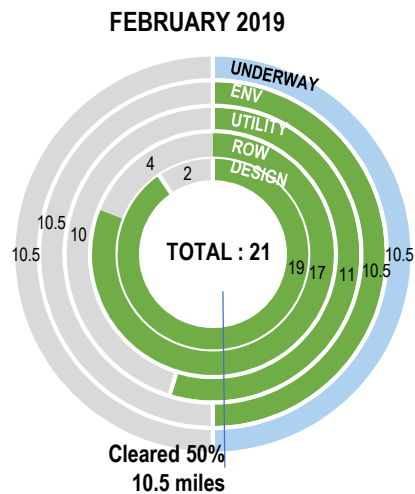
CP 4 Progress Update

Forecast vs. Actual - Guideway

CONSTRUCTION CLEARANCE/ PROGRESS FORECAST – MILES OF GUIDEWAY

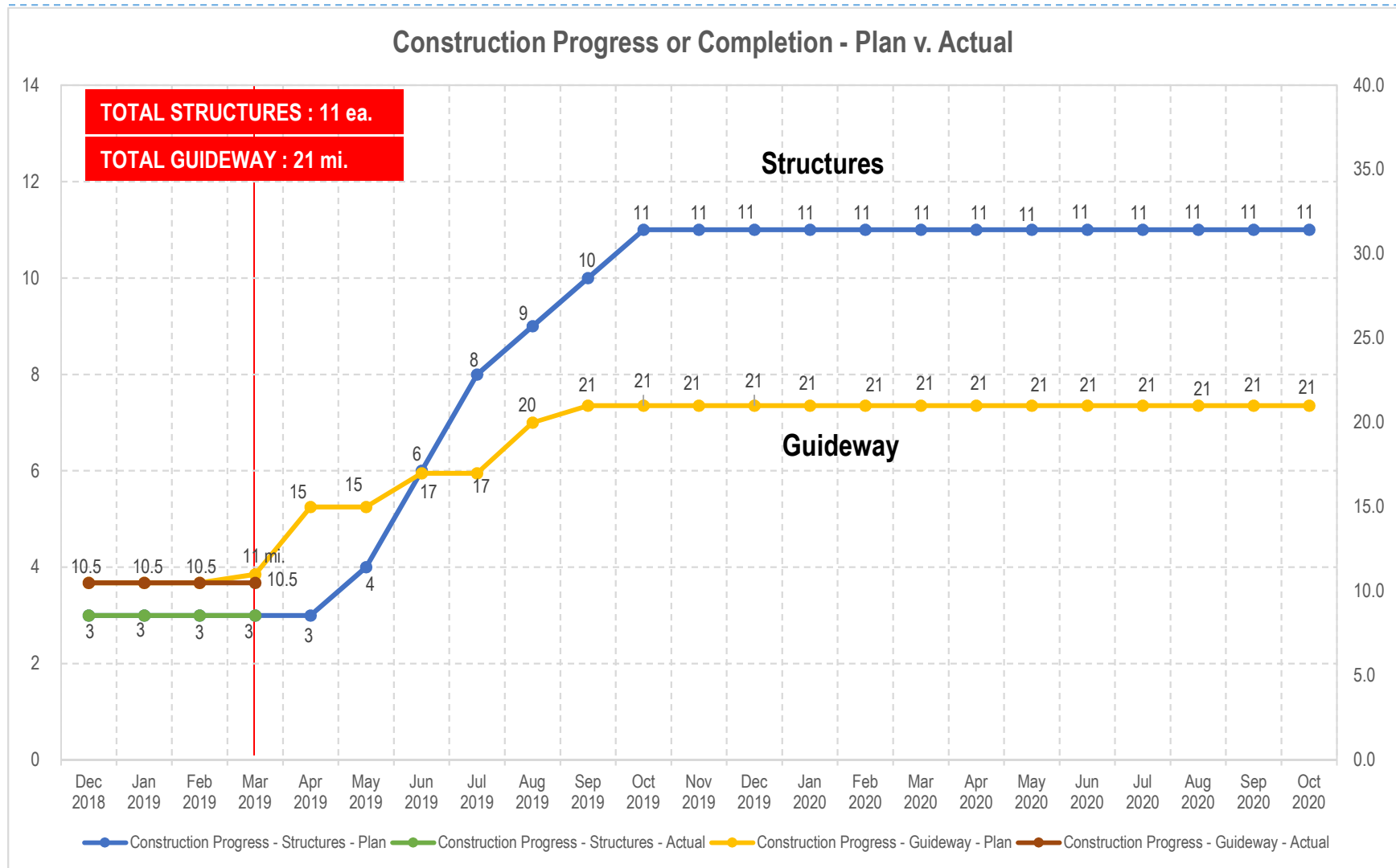


ACTUAL PROGRESS – MILES OF GUIDEWAY



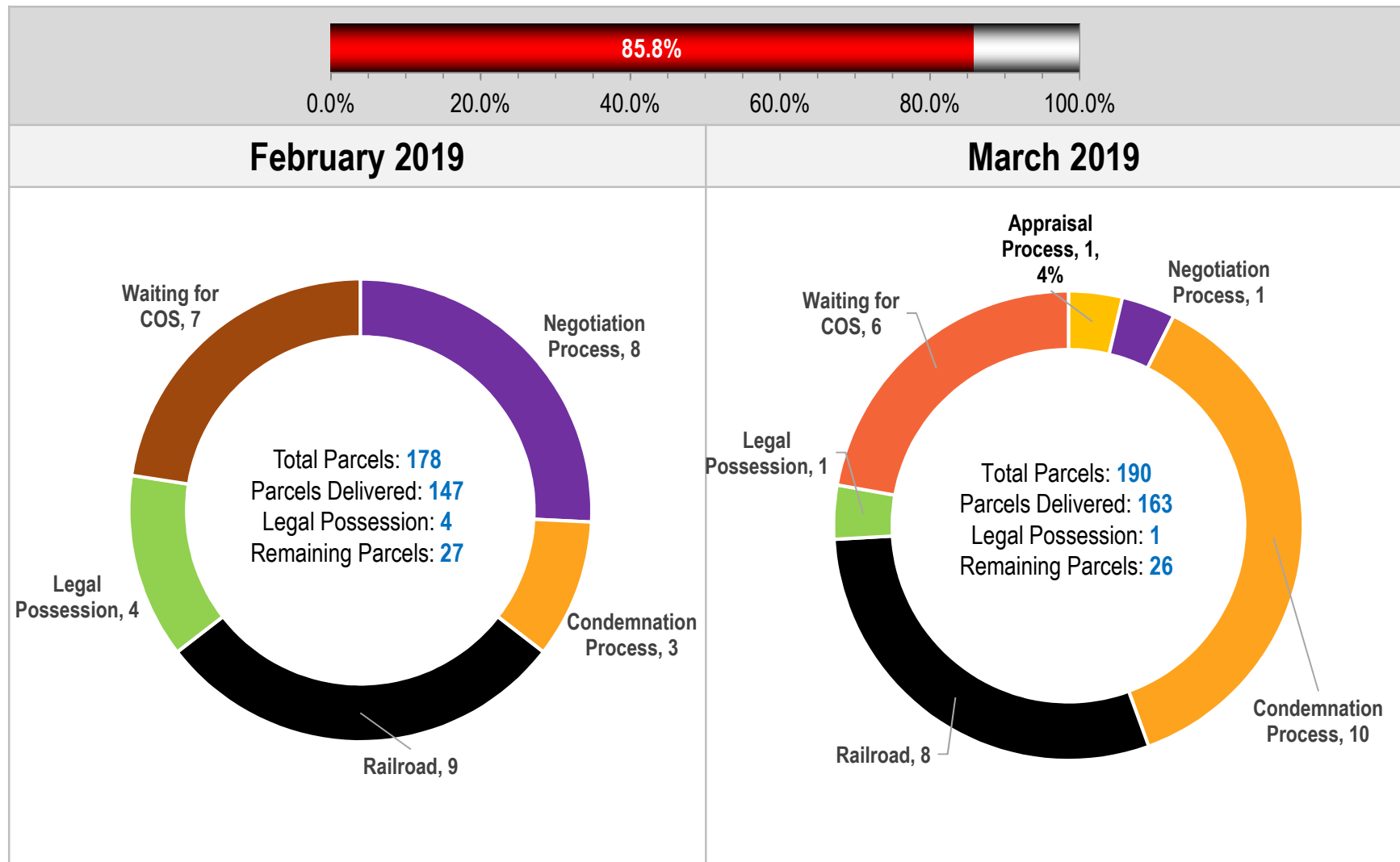
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- Construction Substantially Complete
- Remaining

CP 4 Progress to Completion – Plan vs. Actual



CP 4 Progress Update

ROW Acquisition Status

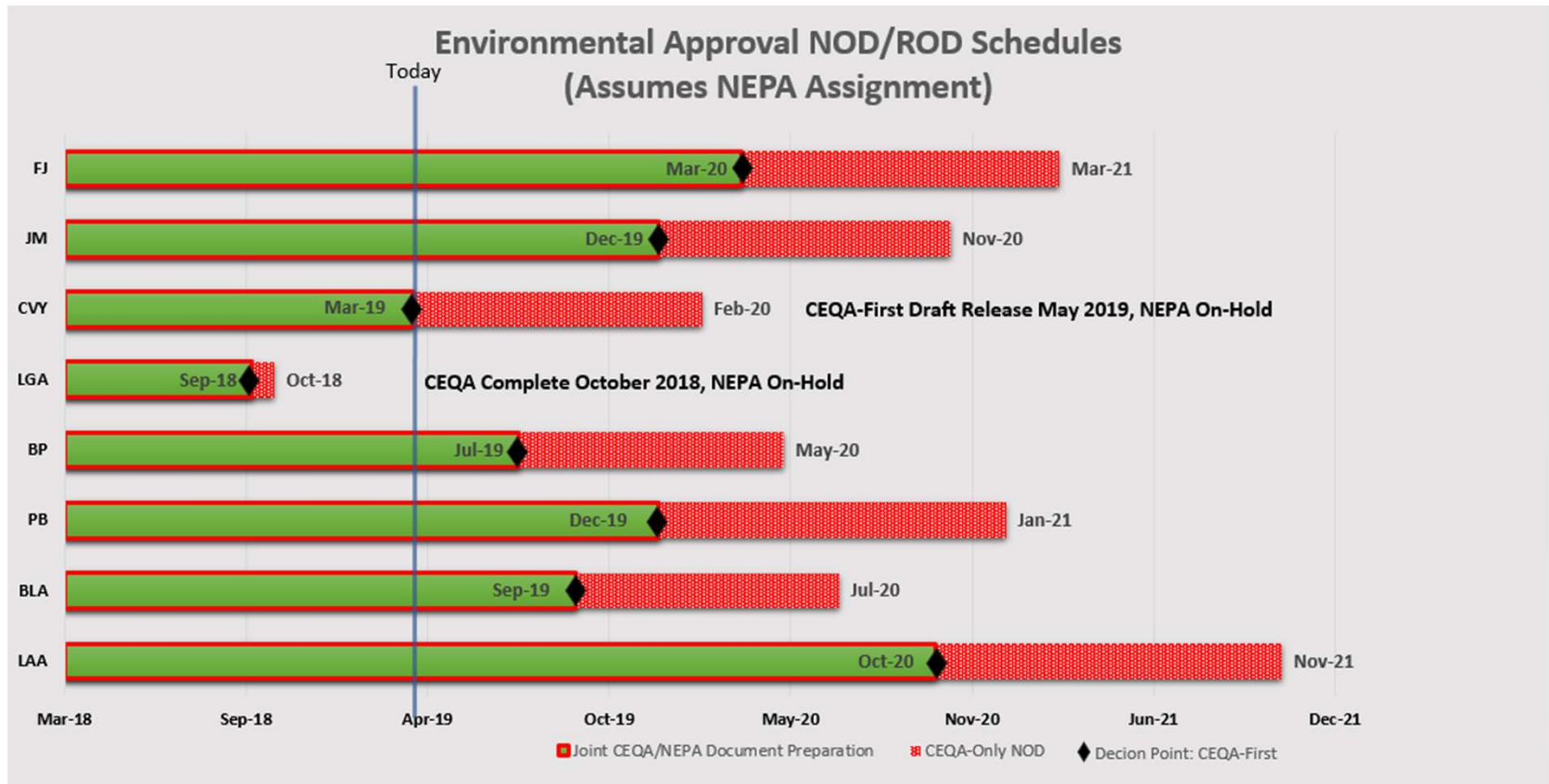


CP 4 Critical Actions

- ▶ Third party relationships – Resolve design and access issues with key third party utility owners
 - PG&E
 - Sempra
 - SemiTropic
 - Kern County
 - CDFW - Multiple Incidental Take Permit (ITP) amendments being proposed to CDFW to align with DB's design
- ▶ Commercial – Project Change Orders
 - SemiTropic additional facilities
 - Intrusion Protection Barrier (IPB) System
 - Mechanically Stabilized Earth (MSE) Walls
- ▶ Design - Forming joint Focus Team for design review
 - Progress achieved; mobilizing on Wasco Viaduct
 - DB QA/QC program and process
- ▶ Utility Provisional Sums: Complete design & start construction
- ▶ ROW – DB Critical ROW Remaining
 - 23 parcels
- ▶ Weather – Less rain in the forecast will allow for more work.

Records of Decision (ROD)

Status Report



- ▶ Communicating with FRA to NEPA Reviews and NEPA Assignment
- ▶ Advancing a CEQA First Strategy
- ▶ Authority policies and procedures in anticipation of NEPA Assignment
- ▶ LA to Anaheim: Coordinating with CalSTA and other local transportation agencies to optimize existing BNSF corridors